

05—432 Removal and installation of intermediate wheel

| Tightening torques | Nm |
|---|--------|
| Intermediate wheel shaft bolt | 25 |
| Camshaft sprocket expansion bolt | 80 |
| Valve adjusting screw | 20—40 |
| Cylinder head cover capped nuts and bolts | 5 |
| Balance disc to crankshaft | 400+50 |
| Ball locating ring in chain tensioner | 25 |

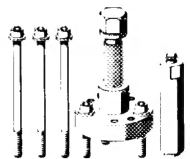
Special tools

Torque wrench single-arm, 3/4" square,
150—500 Nm



001 589 31 21 00

Balance disc extractor



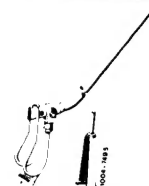
116 589 10 33 00

Holder



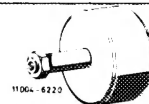
110 589 00 40 00

Depressor for valve spring



110 589 04 61 00

Impact extractor for bearing pin (basic unit)



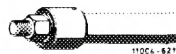
116 580 20 33 00

Threaded bolt M 8 x 150 long (for impact puller)



616 589 00 34 00

Puller for bearing bolt (basic unit)



115 589 20 33 00

M 8 x 30 bolt for extractor



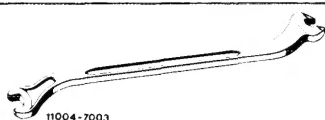
115 589 00 34 00

Camshaft holding wrench



116 589 01 01 00

Valve adjusting wrench 17 mm



110 589 01 01 00

Wrench socket 27 mm, 1/2" square



001 589 65 09 00

Wrench socket 10 mm,
1/2" square, 140 mm long

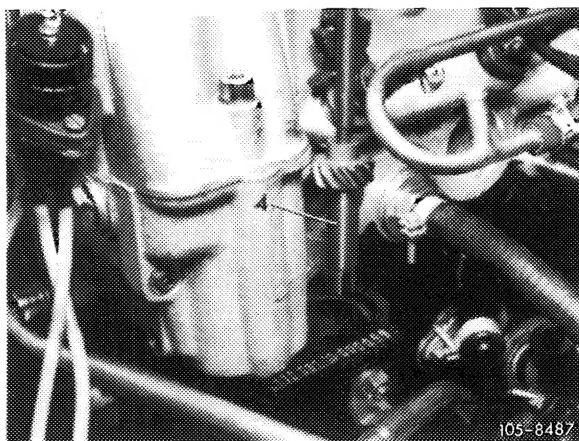


000 589 05 07 00

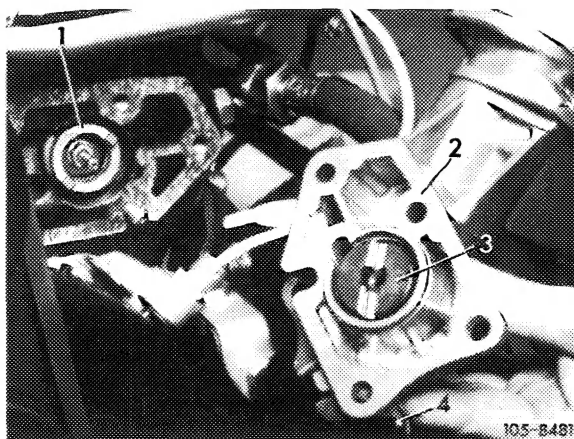
Removal

1 Remove radiator and fan.

2 Remove oil pump drive helical gear shaft (4) (05-410).

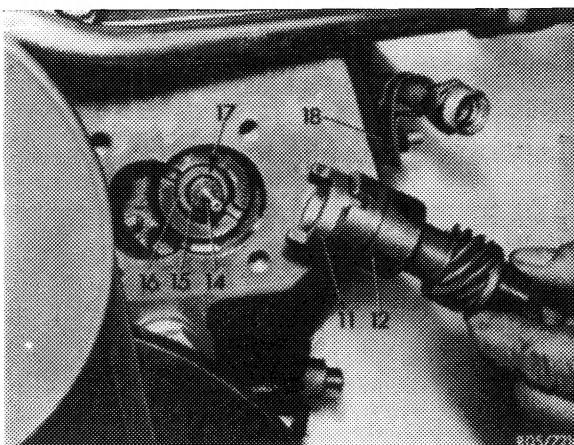


3 Remove distributor housing (2) with drive gear (3) for distributor drive (05-450).

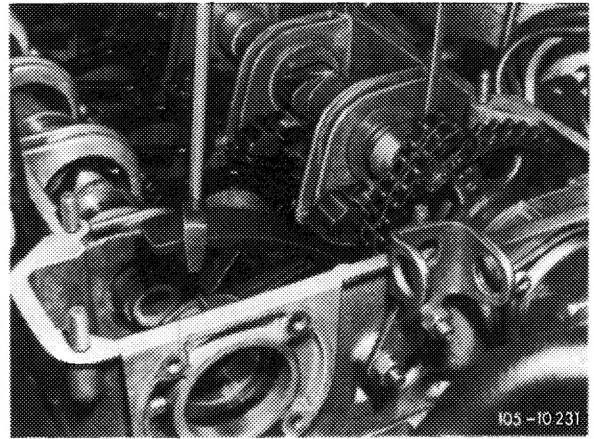


4 Remove bolt (15) with oil tube (14), lock washer (17) and washer (16).

5 Unscrew chain lock screw (18).

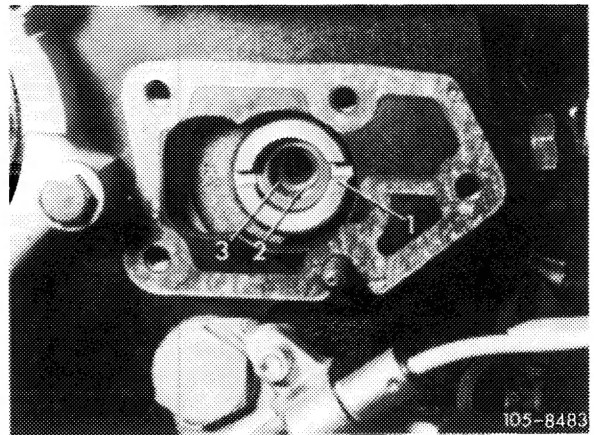


6 Remove tensioning rail (05—330).



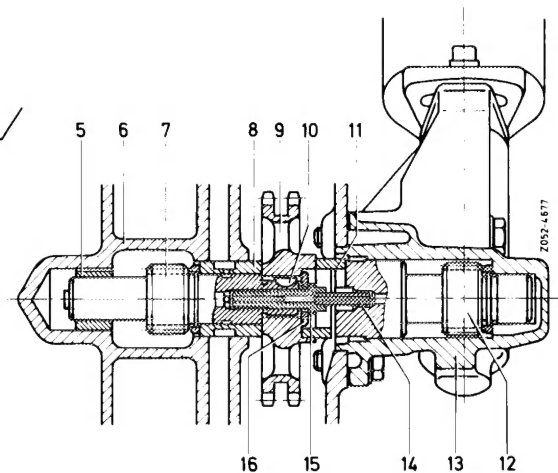
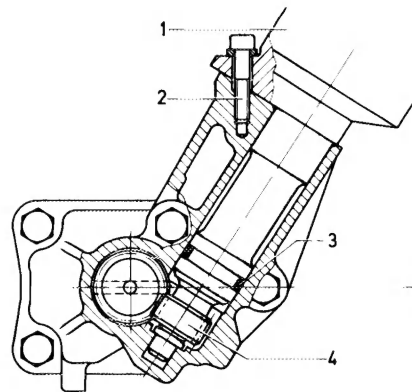
7 Turn intermediate wheel shaft (3) until woodruff key (2) is up.

8 Press back intermediate wheel shaft (3) until intermediate wheel (1) can be removed upward. Watch woodruff key.

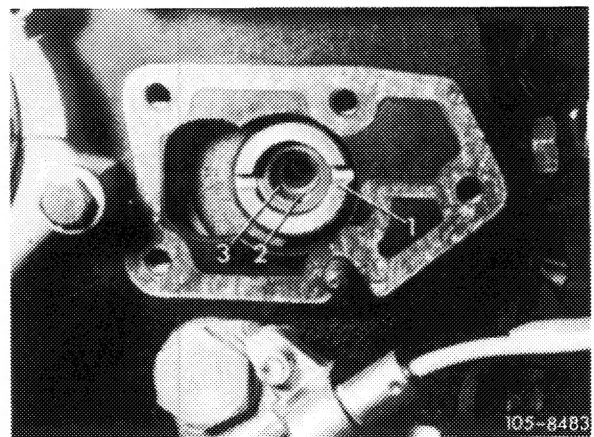


Installation

9 Guide intermediate wheel into chain case and install on intermediate wheel shaft.

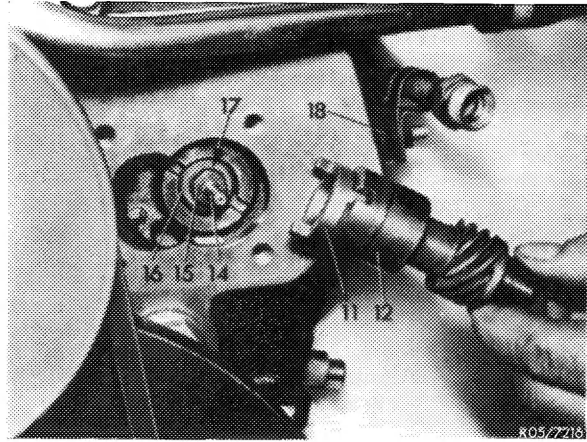


10 Pull intermediate wheel shaft (3) forward carefully with a M 8 bolt and at the same time turn intermediate wheel (1) until woodruff key (2) slides into groove of intermediate wheel.

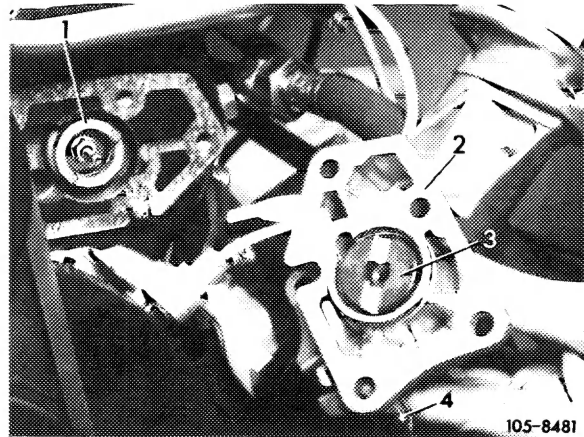


11 Install bolt (15) with oil tube (14), lock washer (17) and washer (16), and torque to 25 Nm.

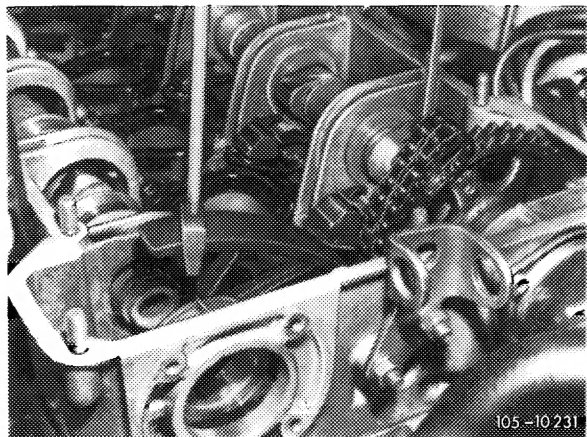
Install chain lock screw (18).



12 Install distributor housing with drive gear for distributor drive (05—450).



13 Install tensioning rail (05—330).



14 Install helical gear shaft for oil pump drive (05—410).

15 Install radiator and fan.

